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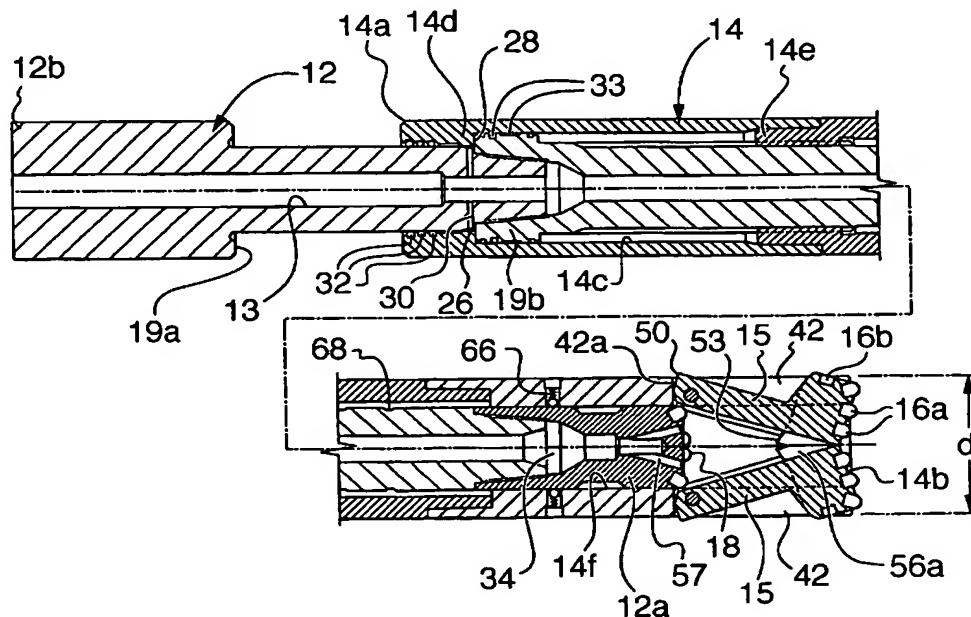
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(54) Title: EXPANDABLE BIT



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(57) Abstract: A bit has been invented that is expandable from a collapsed position, useful for tripping, to an radially expanded position for use. The bit is useful to form a borehole through an earthen formation. In one embodiment, the bit can be used alone, without a separate under reamer, to expand a well bore below a casing string, either during casing drilling or when extending a well bore below an installed casing string. The bit cutter face includes a center cutter face on a mandrel and an outer cutter face mounted on an expandable section of a housing disposed about the mandrel. The outer cutter face can be expanded by axial movement of the mandrel within the housing.



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